

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/050421

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16H7/02 F16H13/02 F02B67/04 F01P5/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16H F02B F01P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2004/048808 A (WIMMER RUDOLF ; FOESSL PETER (AT); WIESER PHILIPP (AT); BAYERISCHE MOT) 10 June 2004 (2004-06-10) figures	1-6, 21, 22
E	WO 2004/048809 A (WIMMER RUDOLF ; FOESSL PETER (AT); WIESER PHILIPP (AT); BAYERISCHE MOT) 10 June 2004 (2004-06-10) figures	1, 2
A	DE 39 34 884. A (BAYERISCHE MOTOREN WERKE AG) 25 April 1991 (1991-04-25) figures	1
A	DE 199 14 440 A (VOLKSWAGENWERK AG) 5 October 2000 (2000-10-05) abstract	1
	----- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

30 July 2004

Date of mailing of the international search report

06/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Goeman, F

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/050421

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 1 591 978 A (THOMAS DAVIS BENJAMIN ET AL) 13 July 1926 (1926-07-13) figures -----	1
A	US 2 823 546 A (HENRY BARRETT WALTER WILLIAM) 18 February 1958 (1958-02-18) figures -----	1
A	DE 354 907 C (ROBERT WOERNER) 16 June 1922 (1922-06-16) the whole document -----	1
A	US 1 289 818 A (KURJIAN) 31 December 1918 (1918-12-31) figures -----	1
A	US 1 416 569 A (MINNICH DELBERT W) 16 May 1922 (1922-05-16) figures -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/050421

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004048808	A	10-06-2004	DE 10255075 A1 WO 2004048808 A1	03-06-2004 10-06-2004
WO 2004048809	A	10-06-2004	DE 10255073 A1 WO 2004048809 A1	03-06-2004 10-06-2004
DE 3934884	A	25-04-1991	DE 3934884 A1	25-04-1991
DE 19914440	A	05-10-2000	DE 19914440 A1 WO 0060240 A1	05-10-2000 12-10-2000
US 1591978	A	13-07-1926	NONE	
US 2823546	A	18-02-1958	NONE	
DE 354907	C	16-06-1922	NONE	
US 1289818	A		NONE	
US 1416569	A	16-05-1922	NONE	